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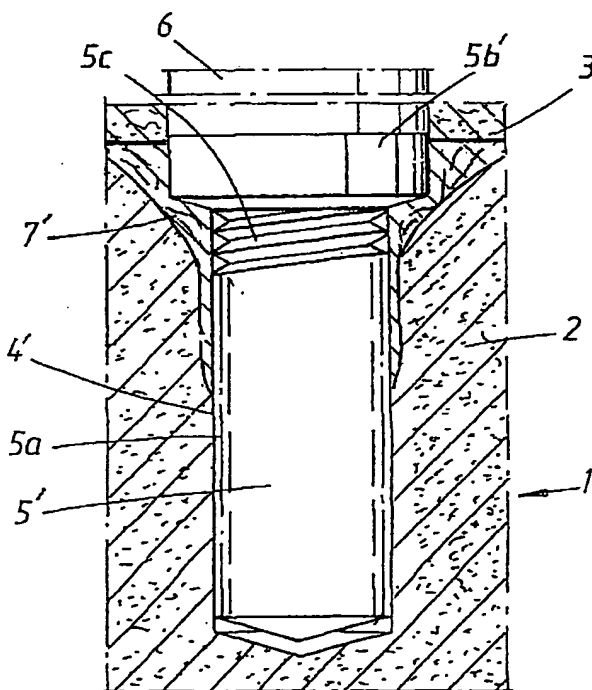
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 (71) Applicant (for all designated States except US): NOBEL BIOCARE AB (PULB) [SE/SE]; Box 5190, S-402 26 Göteborg (SE).  
 (72) Inventor; and  
 (75) Inventor/Applicant (for US only): HALL, Jan [SE/SE]; Stabbegatan 2A, S-402 26 Göteborg (SE).  
 (74) Agent: OLSSON, Gunnar; Nobel Biocare AB (publ), Box 5190, S-402 26 Göteborg (SE).  
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- (54) Title: ARRANGEMENT WITH AN IMPLANT AND/OR A UNIT BELONGING TO SAID IMPLANT, AND METHOD FOR PRODUCTION OF THE IMPLANT AND/OR UNIT



**(57) Abstract:** An implant (5, 13) and/or a unit (9), e.g. spacer sleeve, belonging to said implant is/are intended to extend through a hole (4') formed in a jaw bone (2) and through soft tissue. (3) belonging to the jaw bone and to comprise one or more outer layers of principally titanium dioxide. Each layer consists of crystalline titanium dioxide which largely or completely assumes the anatase phase. The invention also relates to a method for production of such a dental implant (5, 13) and/or of a unit (9) belonging to it, which has one or more outer layers of titanium dioxide. The method is an anodic oxidation method in which the part or parts bearing the outer layer(s) is/are applied to electrolyte under voltage, e.g. comprising sulfuric acid and phosphoric acid, and the voltage (U) and the dwell time of the part or parts in the electrolyte are chosen such that titanium dioxide, largely or completely assuming the crystalline anatase phase, is formed. Excellent bone guidance and soft tissue integration can be achieved in this way.

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